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Irregular section pressure sensitive adhesive sheets - have lower peeling strength whilst maintaining shearing strength, and can be repeatedly peeled

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Patent Family (5 patents, 3 countries)

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EP 279579	A	19880824	EP 1988301088	A	19880209	198834 B
JP 63193982	A	19880811	JP 198726331	A	19870209	198838 E
		JP 198756451	A	19870313		
JP 63223081	A	19880916	JP 198726331	A	19870209	198843 E
		JP 198756451	A	19870313		
EP 279579	B1	19930421	EP 1988301088	A	19880209	199316 E
DE 3880341	G	19930527	DE 3880341	A	19880209	199322 E
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Alerting Abstract EP A

An irregular section adhesive sheet has a pressure sensitive adhesive layer (PSAL) (1) forming an uneven adhesion face on a substrate (2). Pref. the adhesion face has air passages (4). formed by arranging PSAL into islands or stripes.

The sheet can be easily and repeatedly peeled even a long time after lamination enabling use of high adhesion force adhesives to give improved resistance to shear. It can be used over large as well as small areas and the sheet can be smoothed to eliminate trapped air. Useful e.g. as advertising media and decorations for transportation. The adhesive is crosslinked and is either (i) a rubber type, esp. a butyl rubber type comprising halogenated butyl rubber and/or ethylene/propylene-diene terpolymer rubber, polybutene, photopolymerisable cpd., silica and photo-sensitive and is crosslinked by UV irradiation; or (ii) an acyclic type.

USE/ADVANTAGE - The sheet can be easily and repeatedly peeled even a long time after lamination enabling use of high adhesion force adhesives to give improved resistance to shear. It can be used over large as well as small areas and the sheet can be smoothed to eliminate trapped air. Useful e.g. as advertising media and decorations for transportation means, electrical appliances, fixtures, toys etc.